NSWC REPEAT NATE OVERVIEW BRIEF 2003

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LMTO

REPEAT PROGRAM

NATE FUNCTIONS

- **NATE (NTDS ANALYSIS TOOL AND EVALUATION)**
  - USED TO ANALYZE PREVIOUSLY RECORDED NAVY TACTICAL DATA SYSTEMS (NTDS) LINK-11 FILES
  - FILES SHOULD BE RECORDED USING THE REPEAT RECORD PROGRAM

TDP PASSIVE RECORDING

- MUST BE IN THE TACTICAL DATA FILE (TDF) FORMAT
- MUST CHOOSE TYPE OF PASSIVE TAP
  - INDIAN HEAD
  - EDO
  - PLT

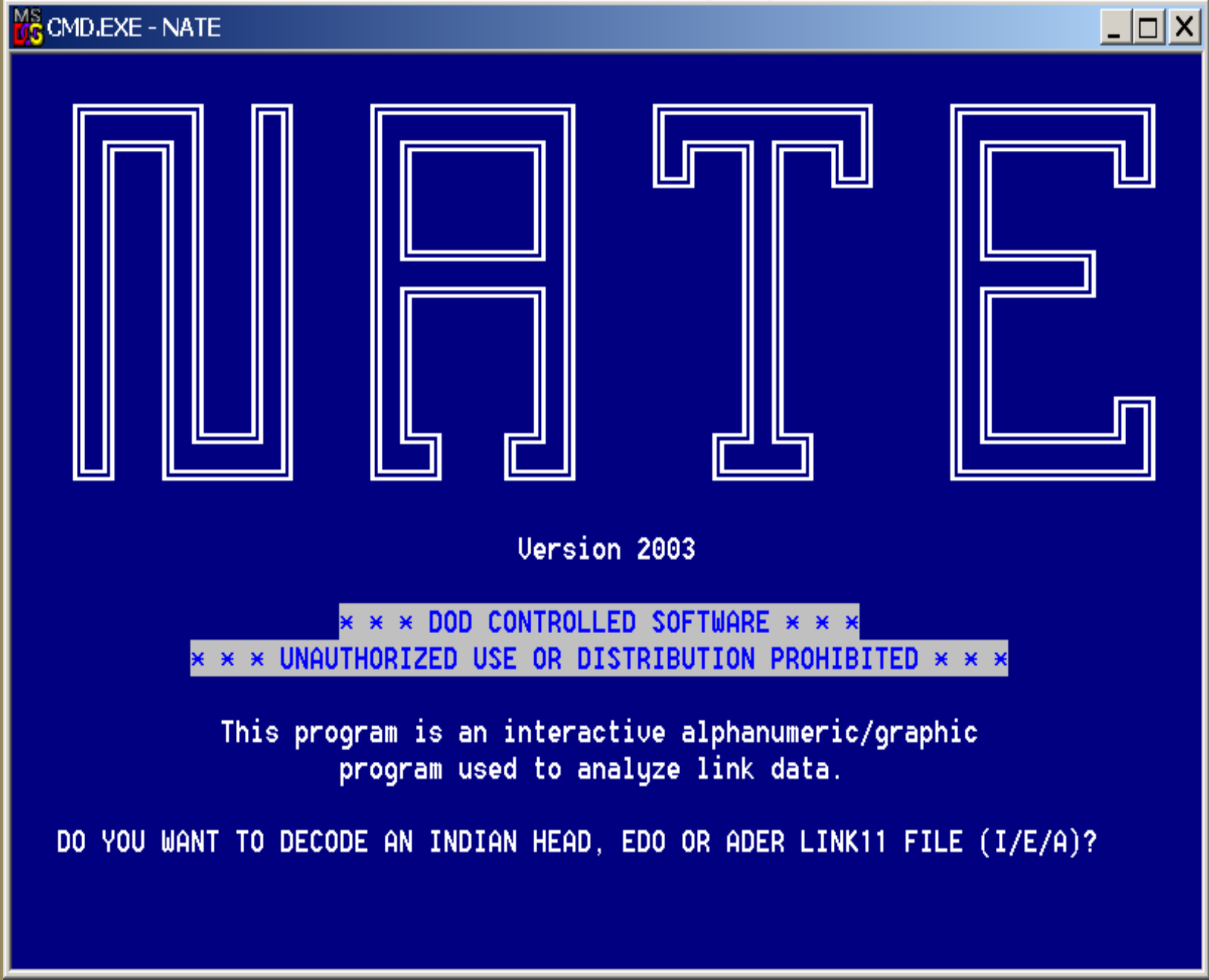
LINK M TYPE MESSAGES

- M1 OWN SHIP POSITION MESSAGE - PU TO REPORT ITS OWN POSITION
- M2 AIR POSITION MESSAGE - PU TO REPORTT ON AN AIR CONTACT
- M3 SURFACE POSITION MESSAGE - PU TO REPORT ON A SURFACE CONTACT
- M4 SUBSURFACE POSITION MESSAGE - PU TO REPORT ON A SUBSURFACE CONTACT
- M5 SPECIAL POINTS
- M6 ELINT PARAMETERS

TDP PASSIVE RECORDING

- M8(N) AMPLIFICATION MESSAGE –
- M9A DROP TRACK MESSAGE - REPORTED BY THE PU AND USED TO DROP A TRACK
- M9D END OF TRANSMISSION MESSAGE
- M11D IFF/SIF (MODE2/DI) CODE - USED TO ASSIGN MODE2/DI CODES ACT
- M12 PU REPORTED TIME
- M14 WEAPON ENGAGEMENT STATUS
- M15 COMMAND MESSAGE (WEAPON ENGAGEMENT

NATE EXECUTION


CMD.EXE - NATE
NATE
Version 2003
* * * DOD CONTROLLED SOFTWARE * * *
* * * UNAUTHORIZED USE OR DISTRIBUTION PROHIBITED * * *
This program is an interactive alphanumeric/graphic
program used to analyze link data.
DO YOU WANT TO DECODE AN INDIAN HEAD, EDO OR ADER LINK11 FILE (I/E/A)?

NATE SETUP DISPLAY

CMD.EXE - NATE

```
                    N A T E   P A R A M E T E R   S C R E E N      Version 2003

        Reduction Criteria                    File (EDO)

                                              Name    C:\DATA\LK11EDO.TDF
                                              Size              1630
                                              Start   17/08:00:00.00
                                              End     17/10:57:54.50

                                                      Directory

                                                      AAAAMON.DLL
                                                      ACELPDEC.AX
                                                      ACLEDIT.DLL
                                                      ACSETUPC.DLL
                                                      ACSMIB.DLL
                                                      ACTMOVIE.EXE
                                                      ADMPARSE.DLL
                                                      ADPTIF.DLL
Interval        Air       Surf      Sub       Other
                00:00:00  00:00:00  00:00:00  00:00:00

Time Range      From: 17/08:00:00   To:  17/10:57:54

Color           Frnd CYAN   Host RED   Unk WHITE

Command:
Area  Color  Disp  Dir  Dlrp  File  Int  Lc  Quit  Range  Reduce  Sc  Sum
[F1]-Help     [F2]-Dir Scroll     [F6]-Toggle     [Alt-F10]-Reduce
Time range set to file times.
```

NATE SETUP DISPLAY 2

CMD.EXE - NATE

DLRP PARAMETER SCREEN

START TIME	LAT	LONG
17/08:00:00	3000.0N	12000.0W
NOT SET		
NOT SET		
NOT SET		
NOT SET		

File (EDO)

Name C:\DATA\LK11EDO.TDF
Size 1630
Start 17/08:00:00.00
End 17/10:57:54.50

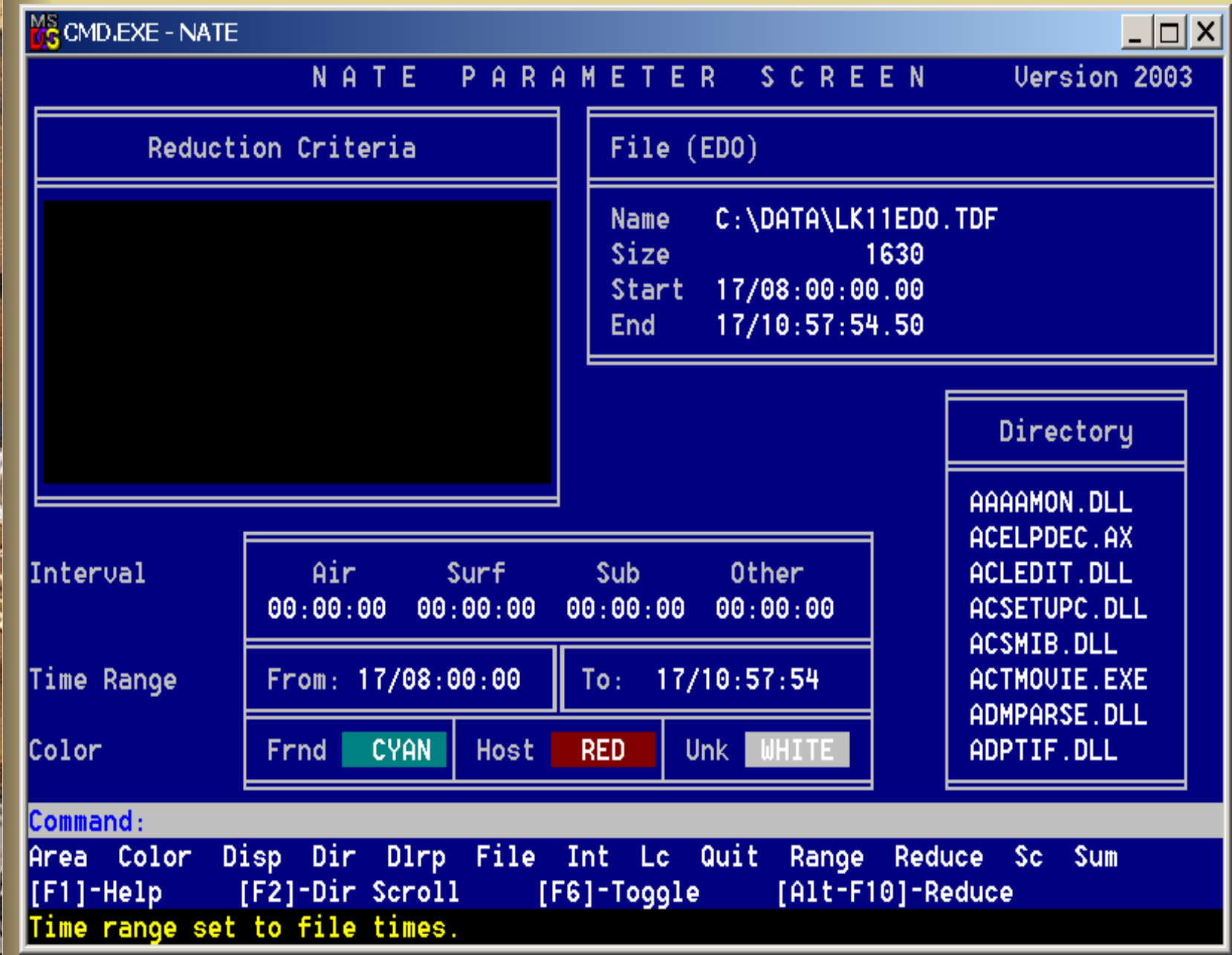
Brng From: DLRP

AREA FILTER		
LATITUDE	NOT SET	NOT SET
LONGITUDE	NOT SET	NOT SET

ENTER START TIME:

[F1] - Delete DLRP setting

NATE SETUP DISPLAY FILE



NATE DATA REDUCTION

CMD.EXE - NATE

Reduction Criteria

```
ME[ALL]
QU
 Line    1  Col    8  Mem 62704  Rep
```

File Info Summary

```
PIF [503]
PIF [1321]
PIF [1505]
PIF [2115]
PIF [2212]
PIF [2625]
PIF [3133]
PIF [3421]
PIF [3505]
PIF [3643]
PIF [3704]
PIF [4602]
PIF [4605]
PIF [4623]
PIF [5016]
PIF [5141]
PIF [6513]
PIF [6624]
TRACK [204]
TRACK [206-211]
TRACK [213-223]
```

NATE DATA DISPLAY

CMD.EXE - NATE

TIME	POSITION	CSE/SPD	BR/RNG	MSG	PU	T	CAT	DI	MODE2	TRK
DD/HH:MM:SS	(LAT/LONG)	(DEG/KTS)	FROM DLRP	TYP	#	Q	TYP	#	#	#
17/08:27:47.5	2-31.1S/ 3-06.8E		129/ 240.1	2	1	7	AF		P6605	T 347
17/08:27:47.5	3-16.8S/ 1-13.4W		200/ 210.1	2	1	3	AF		P3131	T 350
17/08:27:52.9	01.2N/ 2-37.9E		089/ 158.0	2	1	7	AF		P6513	T 206
17/08:27:53.2	M3:1013	NO/NO		11D	1				P3513	T 303
17/08:27:53.5	04.5N/ 2-23.8E		088/ 144.0	2	1	6	AH			T 341
17/08:27:58.7	1-34.9S/ 1-26.1E		137/ 128.2	2	1	7	AF		P1505	T 207
17/08:27:58.7	15.0N/ 3-25.6W		274/ 206.2	2	1	7	AF		P1141	T 210
17/08:27:58.7	14.7N/ 1-13.3W		281/ 74.8	2	1	7	AF		P5016	T 211
17/08:27:58.8	2-57.2S/ 2-33.9E		139/ 234.6	2	1	7	AF		P7121	T 213
17/08:27:58.8	44.2N/ 1-09.3E		057/ 82.3	2	1	7	AF		P3133	T 215
17/08:27:58.8	1-23.7N/ 2-32.4W		298/ 173.9	2	1	7	AF		P3643	T 216
17/08:28:08.0	21.0N/ 3-31.8W		275/ 212.9	2	1	1	AF		P6624	T 204
17/08:28:08.1	40.5N/ 2-12.0E		072/ 138.1	2	1	7	AF		P3505	T 217
17/08:28:08.2	00.7N/ 34.8W		271/ 34.9	2	1	7	AF		P2625	T 221
17/08:28:08.2	42.9S/ 56.5W		232/ 71.1	2	1	7	AF		P2212	T 222
17/08:28:08.2	ALT: 22500.00	090/ 222.1		82	1					T 222
17/08:28:08.2	49.7S/ 13.8W		195/ 51.6	2	1	7	AF		P1321	T 223
17/08:28:08.2	05.2N/ 01.6E		017/ 5.5	2	1	7	AF		P2115	T 226
17/08:28:08.8	3-40.4S/ 1-14.5W		198/ 232.7	2	1	6	AU			T 362

[Display] Command:

DElete PRint QUit REmove SEarch (SE & RE CMND - TR MO DI ME PU TI TQ)

[↑] [↓] [PgUp] [PgDn] [Home] [End] [F5]-Scroll [F9]-Chrono [F10]-Snapshot

NATE REMOVE COMMAND

CMD.EXE - NATE

TIME	POSITION	CSE/SPD	BR/RNG	MSG	PU	T	CAT	DI	MODE2	TRK
DD/HH:MM:SS	(LAT/LONG)	(DEG/KTS)	FROM DLRP	TYP	#	Q	TYP	#	#	#
17/08:27:58.7	15.0N/ 3-25.6W		274/ 206.2	2	1	7	AF		P1141	T 210
17/08:27:58.7	14.7N/ 1-13.3W		281/ 74.8	2	1	7	AF		P5016	T 211
17/08:27:58.8	2-57.2S/ 2-33.9E		139/ 234.6	2	1	7	AF		P7121	T 213
17/08:27:58.8	44.2N/ 1-09.3E		057/ 82.3	2	1	7	AF		P3133	T 215
17/08:27:58.8	1-23.7N/ 2-32.4W		298/ 173.9	2	1	7	AF		P3643	T 216
17/08:28:08.0	21.0N/ 3-31.8W		275/ 212.9	2	1	1	AF		P6624	T 204
17/08:28:08.1	40.5N/ 2-12.0E		072/ 138.1	2	1	7	AF		P3505	T 217
17/08:28:08.2	00.7N/ 34.8W		271/ 34.9	2	1	7	AF		P2625	T 221
17/08:28:08.2	42.9S/ 56.5W		232/ 71.1	2	1	7	AF		P2212	T 222
17/08:28:08.2	ALT: 22500.00	090/ 222.1		82	1					T 222
17/08:28:08.2	49.7S/ 13.8W		195/ 51.6	2	1	7	AF		P1321	T 223
17/08:28:08.2	05.2N/ 01.6E		017/ 5.5	2	1	7	AF		P2115	T 226
17/08:28:08.8	3-40.4S/ 1-14.5W		198/ 232.7	2	1	6	AU			T 362
17/08:28:08.8				9E	1		UCS=MR06			342
17/08:28:14.2	1-12.7N/ 3-34.3W		288/ 226.3	2	1	2	AH			T 256
17/08:28:14.7	1-50.9S/ 1-38.7E		138/ 148.5	2	1	7	AF		P7001	T 322
17/08:28:20.314.39T	ECM JAM RADAR	REF TRK	1	6A	1		BRNG ACC 2 DEG			T 240
17/08:28:20.UNKNOWN	JRSL 45 -MORE			6A	1					T 240
17/08:28:20.5	30.0N/ 1-02.7W		295/ 69.6	2	1	6	AF		P 341	T 257

[Display] Command:RE ME 82

DElete PRint QUit REmove SEarch (SE & RE CMND - TR MO DI ME PU TI TQ)

[↑] [↓] [PgUp] [PgDn] [Home] [End] [F5]-Scroll [F9]-Chrono [F10]-Snapshot

NATE REMOVE RESULTS

CMD.EXE - NATE

TIME DD/HH:MM:SS	POSITION (LAT/LONG)	CSE/SPD (DEG/KTS)	BR/RNG FROM DLRP	MSG TYP	PU #	T Q	CAT TYP	DI #	MODE2 #	TRK #
17/08:28:08.0	21.0N/ 3-31.8W		275/ 212.9	2	1	1	AF		P6624	T 204
17/08:28:08.1	40.5N/ 2-12.0E		072/ 138.1	2	1	7	AF		P3505	T 217
17/08:28:08.2	00.7N/ 34.8W		271/ 34.9	2	1	7	AF		P2625	T 221
17/08:28:08.2	42.9S/ 56.5W		232/ 71.1	2	1	7	AF		P2212	T 222
17/08:28:08.2	49.7S/ 13.8W		195/ 51.6	2	1	7	AF		P1321	T 223
17/08:28:08.2	05.2N/ 01.6E		017/ 5.5	2	1	7	AF		P2115	T 226
17/08:28:08.8	3-40.4S/ 1-14.5W		198/ 232.7	2	1	6	AU			T 362
17/08:28:08.8				9E	1		UCS=MR06			342
17/08:28:14.2	1-12.7N/ 3-34.3W		288/ 226.3	2	1	2	AH			T 256
17/08:28:14.7	1-50.9S/ 1-38.7E		138/ 148.5	2	1	7	AF		P7001	T 322
17/08:28:20.314.39T	ECM JAM RADAR	REF TRK	1	6A	1		BRNG ACC 2 DEG			T 240
17/08:28:20.UNKNOWN	JRSL 45 -MORE			6A	1					T 240
17/08:28:20.5	30.0N/ 1-02.7W		295/ 69.6	2	1	6	AF		P 341	T 257
17/08:28:20.5	17.9S/ 35.3W		243/ 39.7	2	1	7	AF		P4602	T 227
17/08:28:20.5	13.9S/ 1-23.9W		260/ 85.1	2	1	7	AF		P3704	T 231
17/08:28:20.6	03.2S/ 2-01.7W		268/ 121.8	2	1	6	AF		P 503	T 232
17/08:28:20.6	21.7N/ 1-33.3W		283/ 95.9	2	1	6	AF		P4605	T 233
17/08:28:20.9	1-38.2S/ 1-40.9E		134/ 140.8	2	1	7	AF		P5725	T 326
17/08:28:21.0	3-00.5N/ 16.1W		354/ 181.2	2	1	7	AH			T 331

[Display] Command:

DElete PRint QUit REmove SEarch (SE & RE CMND - TR MO DI ME PU TI TQ)

[↑] [↓] [PgUp] [PgDn] [Home] [End] [F5]-Scroll [F9]-Chrono [F10]-Snapshot

NATE CAT RESULTS

CMD.EXE - NATE

TIME DD/HH:MM:SS	POSITION (LAT/LONG)	CSE/SPD (DEG/KTS)	BR/RNG FROM DLRP	MSG TYP	PU #	T Q	CAT TYP	DI #	MODE2 #	TRK #
17/09:09:44.8	28-02.8N/120-34.7W		194/ 121.1	3	1	2	SH		P5126	T 337
17/09:09:44.8	28-29.8N/120-05.8W		183/ 90.3	3	1	1	SF			T7733
17/09:09:44.9	29-02.3N/112-29.7W		098/ 397.9	3	1	0	SH			T2336
17/09:09:45.1	28-10.8N/119-35.9W		169/ 111.2	3	1	2	SH		P 341	T 257
17/09:09:45.2	29-50.3N/117-54.0W		095/ 109.7	3	1	0	SH			T2750
17/09:09:45.4	28-10.8N/119-27.8W		165/ 112.7	3	1	1	SH			T2333
17/09:09:45.4	22-02.5N/111-57.1W		136/ 654.4	3	1	0	SX			T7451

[Display] Command:_

DElete PRint QUit REmove SEarch (SE & RE CMND - TR MO DI ME PU TI TQ)

[↑] [↓] [PgUp] [PgDn] [Home] [End] [F5]-Scroll [F9]-Chrono [F10]-Snapshot

End of file encountered.

NATE HELP DISPLAY

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\NTDS ANALYSIS.lnk

```
                    N A T E   P A R A M E T E R   S C R E E N      Version 2003

        Reduction Criteria                          File (EDO)

me[all]

   HELP Command - Display HELP pages of command entered 1-1

        The help function may be invoked by entering
        the first 2 or 3 significant letters of a
        command and pressing the Help Key - [F1].

                                                                        ctory

Interval          Air        Surf       Sub        Other
                  00:00:00   00:00:00   00:00:00   00:00:00

Time Range        From: 17/08:00:00     To:  17/10:57:54

Color             Frnd  CYAN     Host  RED     Unk  WHITE

Command:
Area  Color  Disp  Dir  Dlrp  File  Int  Lc  Quit  Range  Reduce  Sc  Sum
[F1]-Help     [F2]-Dir Scroll     [F6]-Toggle     [Alt-F10]-Reduce
```

NATE AREA FILTER HELP

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\NTDS ANALYSIS.lnk

NATE PARAMETER SCREEN Version 2003

Reduction Criteria

File (EDO)

me[all]

AREA FILTER Command - Geographic Area Filter 1-1

The Area Filter command is used to limit the size of the geographic area where LINK11 data will be decoded. The left and right arrow keys are used to move between entry fields. The user can set latitude boundaries, longitude boundaries or both. To remove previously entered filters use the command ARea REset.

ctory

Interval	Air	Surf	Sub	Other
	00:00:00	00:00:00	00:00:00	00:00:00
Time Range	From: 17/08:00:00		To: 17/10:57:54	
Color	Frnd CYAN	Host RED	Unk WHITE	

Command:ARE

Area Color Disp Dir Dlrp File Int Lc Quit Range Reduce Sc Sum

[F1]-Help [F2]-Dir Scroll [F6]-Toggle [Alt-F10]-Reduce

NATE DISPLAY HELP

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\NTDS ANALYSIS.lnk

```
                    N A T E   P A R A M E T E R   S C R E E N      Version 2003

        Reduction Criteria                          File (EDO)

me[all]

   DISPLAY Command  - Activate evaluation and display.  1-5

       Invocation:  DISplay
   The Display Command executes the decoding of the LINK11
   file.  All parameters should be set before executing
   the DIS command.  When processing begins, the reduction
   parameters are evaluated and specified data is displayed
   in ASCII format.                                                    ctory

Interval          Air        Surf       Sub        Other
                  00:00:00   00:00:00   00:00:00   00:00:00

Time Range        From: 17/08:00:00     To:  17/10:57:54

Color             Frnd  CYAN     Host  RED     Unk  WHITE

Command:DIS
Area  Color  Disp  Dir  Dirp  File  Int  Lc  Quit  Range  Reduce  Sc  Sum
[F1]-Help     [F2]-Dir Scroll     [F6]-Toggle     [Alt-F10]-Reduce
```

NATE DIR HELP

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\NTDS ANALYSIS.lnk

```
                    N A T E   P A R A M E T E R   S C R E E N      Version 2003

        Reduction Criteria                          File (EDO)

me[all]
```

```
DIR Command - Display a directory up to 200 files.   1-1
DIr              Default display of all files.
DIr fname.xxx    Search directory for specific file.
DIr fname.*      Search directory for specific extension.
DIr *name.xxx    Search for subset of name in Directory.
DIr f*.xxx       Search for subset of file in Directory.
DIr *.*          Display all files in directory.
  [F2]           Scroll through directory listing.
```

```
                                                                    ctory
Interval        Air       Surf      Sub       Other
                00:00:00  00:00:00  00:00:00  00:00:00

Time Range      From: 17/08:00:00   To:  17/10:57:54

Color           Frnd  CYAN    Host  RED    Unk  WHITE

Command:DIR
Area  Color  Disp  Dir  Dlrp  File  Int  Lc  Quit  Range  Reduce  Sc  Sum
[F1]-Help     [F2]-Dir Scroll     [F6]-Toggle     [Alt-F10]-Reduce
```

NATE DLRP HELP

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\NTDS ANALYSIS.lnk

NATE PARAMETER SCREEN Version 2003

Reduction Criteria | File (EDO)

me[all]

DLRP Command - Set DLRP time, latitude and longitude 1-3

The DLRP Command is used to set the time, latitude and longitude of the DLRP. All track and PU positions are reported relative to the DLRP coordinates. It is important that the latitude and longitude of the DLRP be accurate. Up to 5 different DLRP settings may be entered. Use 'DLRP REset' to remove DLRP settings.

ctory

Interval	Air	Surf	Sub	Other
	00:00:00	00:00:00	00:00:00	00:00:00

Time Range	From: 17/08:00:00	To: 17/10:57:54

Color	Frnd CYAN	Host RED	Unk WHITE

Command:DLR

Area Color Disp Dir Dlrp File Int Lc Quit Range Reduce Sc Sum

[F1]-Help [F2]-Dir Scroll [F6]-Toggle [Alt-F10]-Reduce

NATE FILE HELP

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\NTDS ANALYSIS.lnk

NATE PARAMETER SCREEN Version 2003

Reduction Criteria

File (EDO)

me[all]

FILE Command - Retrieve file to be evaluated. 1-1
FIle filename.ext

The File Command is used to select a file to be decoded.
A path name may be entered along with the file name.
After a file is entered there will be a delay while the
file is scanned for track #'s, PU's and PIF/DI codes.
The results are displayed in the Reduction Window.

ctory

Interval	Air	Surf	Sub	Other
	00:00:00	00:00:00	00:00:00	00:00:00

Time Range	From: 17/08:00:00	To: 17/10:57:54

Color	Frnd CYAN	Host RED	Unk WHITE

Command:FI

Area Color Disp Dir Dlrp File Int Lc Quit Range Reduce Sc Sum

[F1]-Help [F2]-Dir Scroll [F6]-Toggle [Alt-F10]-Reduce

NATE INTERVAL HELP

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\NTDS ANALYSIS.lnk

```
                    N A T E   P A R A M E T E R   S C R E E N      Version 2003

        Reduction Criteria                          File (EDO)

me[all]

   INTERVAL Command -  Set display/search intervals.    1-1
   INterval AIr HH:MM:SS   Set message type 2 display rate.
   INterval SURf HH:MM:SS  Set message type 3 display rate.
   INterval SUB HH:MM:SS   Set message type 4 display rate.
   INterval OTher HH:MM:SS Set all other types display rate.
   INterval AL1 HH:MM:SS   Set all types to specified rate.
   This command sets the time interval reporting rate for
   each category as indicated above.                                  ctory

Interval          Air       Surf      Sub       Other
                  00:00:00  00:00:00  00:00:00  00:00:00

Time Range        From: 17/08:00:00             To:   17/10:57:54

Color             Frnd CYAN        Host RED          Unk WHITE

Command:INT_
Area  Color  Disp  Dir  Dirp  File  Int  Lc  Quit  Range  Reduce  Sc  Sum
[F1]-Help     [F2]-Dir Scroll     [F6]-Toggle     [Alt-F10]-Reduce
```

NATE LC HELP

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\NTDS ANALYSIS.lnk

```
                    N A T E   P A R A M E T E R   S C R E E N      Version 2003

        Reduction Criteria                          File (EDO)

me[all]

   LC Command - Load Configuration.                                    1-1

      LC [filename]

      The LC command loads the NATE parameters from
      the specified file. If no file is specified,
      LC will load the parameters from 'NATE.CNF'. (This
      file is automatically loaded upon NATE's execution.)

                                                                      ctory
Interval          Air        Surf        Sub        Other
                  00:00:00   00:00:00    00:00:00   00:00:00

Time Range        From: 17/08:00:00      To:  17/10:57:54

Color             Frnd  CYAN     Host  RED     Unk  WHITE

Command:LC
Area  Color  Disp  Dir  Dlrp  File  Int  Lc  Quit  Range  Reduce  Sc  Sum
[F1]-Help     [F2]-Dir Scroll     [F6]-Toggle     [Alt-F10]-Reduce
```

NATE RANGE HELP

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\NTDS ANALYSIS.lnk

```
                    N A T E   P A R A M E T E R   S C R E E N      Version 2003

        Reduction Criteria                          File (EDO)

me[all]
```

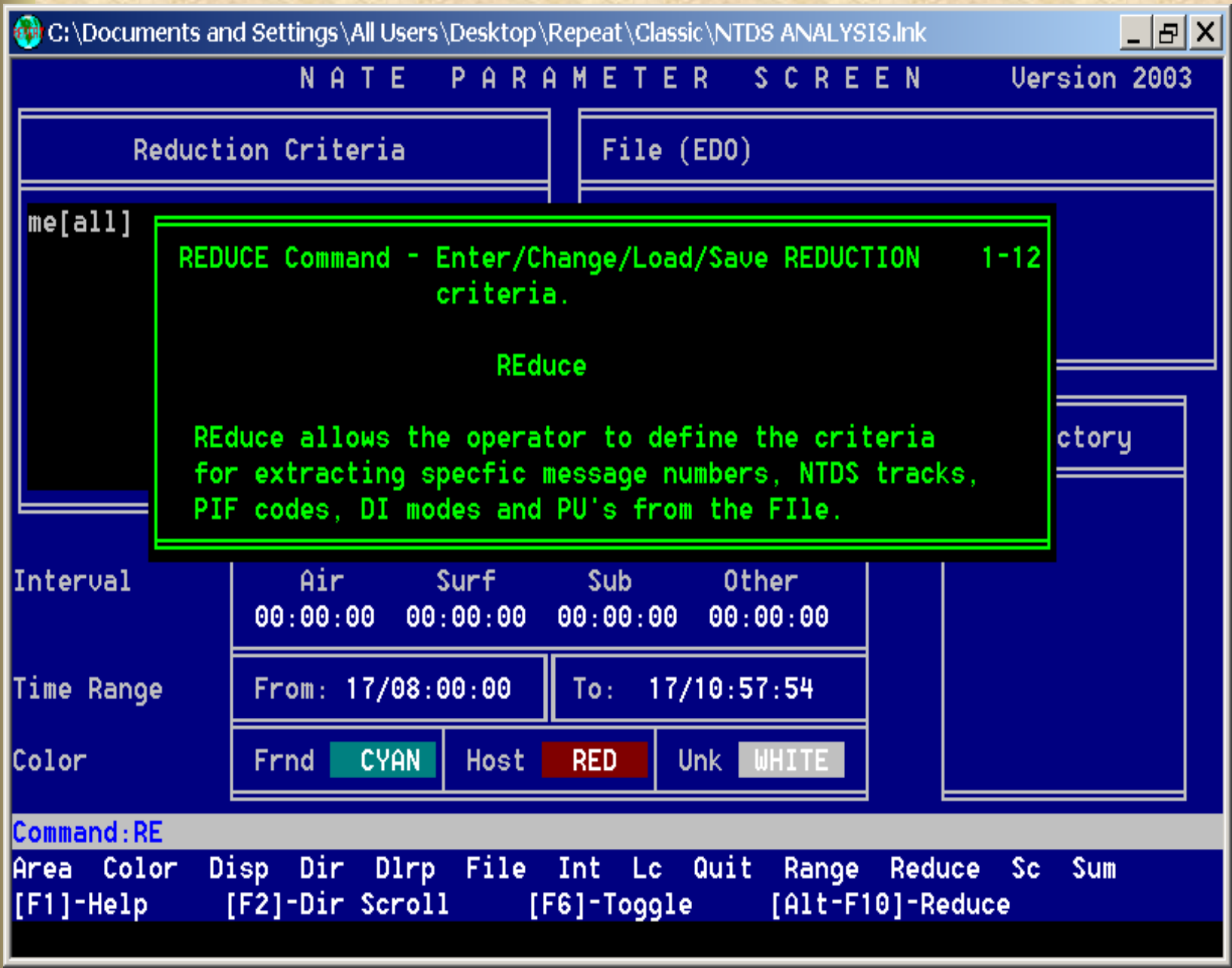
```
RANGE Command - Set the display processing range.    1-3
RAnge FIle                  File start and file end times.
RAnge FRom time             User start and range end times.
RAnge FRom FIle TO time     File start and user end times.
RAnge FRom time TO time     User start and user end times.
RAnge TO FIle               Range start and file end times.
RAnge TO time               Range start and user end times.
          (See Page 2 for time syntax)                Cont.
```

ctory

Interval	Air	Surf	Sub	Other
	00:00:00	00:00:00	00:00:00	00:00:00
Time Range	From: 17/08:00:00	To: 17/10:57:54		
Color	Frnd CYAN	Host RED	Unk WHITE	

```
Command:RA
Area  Color  Disp  Dir  Dlrp  File  Int  Lc  Quit  Range  Reduce  Sc  Sum
[F1]-Help     [F2]-Dir Scroll     [F6]-Toggle     [Alt-F10]-Reduce
```

NATE REDUCE HELP


C:\Documents and Settings\All Users\Desktop\Repeat\Classic\NTDS ANALYSIS.lnk
NATE PARAMETER SCREEN Version 2003
Reduction Criteria
File (EDO)
me[all]
REDUCE Command - Enter/Change/Load/Save REDUCTION criteria. 1-12
REduce
REduce allows the operator to define the criteria for extracting specfic message numbers, NTDS tracks, PIF codes, DI modes and PU's from the FIle.
ctory
Interval
Air Surf Sub Other
00:00:00 00:00:00 00:00:00 00:00:00
Time Range
From: 17/08:00:00
To: 17/10:57:54
Color
Frnd CYAN
Host RED
Unk WHITE
Command:RE
Area Color Disp Dir Dlrp File Int Lc Quit Range Reduce Sc Sum
[F1]-Help [F2]-Dir Scroll [F6]-Toggle [Alt-F10]-Reduce

NATE SC HELP

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\NTDS ANALYSIS.lnk

NATE PARAMETER SCREEN Version 2003

Reduction Criteria

File (EDO)

me[all]

SC Command - Save Configuration. 1-1

SC [filename]

The SC command saves the NATE parameters in the specified file. If no file is specified, SC will save the parameters in 'NATE.CNF'. This file is automatically loaded upon NATE's execution.

ctory

Interval	Air	Surf	Sub	Other
	00:00:00	00:00:00	00:00:00	00:00:00

Time Range	From: 17/08:00:00	To: 17/10:57:54

Color	Frnd CYAN	Host RED	Unk WHITE

Command:SC

Area Color Disp Dir Dlrp File Int Lc Quit Range Reduce Sc Sum

[F1]-Help [F2]-Dir Scroll [F6]-Toggle [Alt-F10]-Reduce

NATE SUMMARY HELP

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\NTDS ANALYSIS.lnk

NATE PARAMETER SCREEN Version 2003

Reduction Criteria

File (EDO)

me[all]

SUMMARY Command - Display file info for time range. 1-1

The Summary Command allows the user to specify a time range for reading file information. The default time range is the 1st 5 minutes of the file. A start and end time must be specified.

Examples: SU 29/01 29/02 Display info for 1 hr or file
SU 01/03 01/0310 Display info for 10 minutes

ctory

Interval	Air	Surf	Sub	Other
	00:00:00	00:00:00	00:00:00	00:00:00

Time Range	From: 17/08:00:00	To: 17/10:57:54

Color	Frnd CYAN	Host RED	Unk WHITE

Command:SU

Area Color Disp Dir Dirp File Int Lc Quit Range Reduce Sc Sum

[F1]-Help [F2]-Dir Scroll [F6]-Toggle [Alt-F10]-Reduce

NATE PRINT

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\NTDS ANALYSIS.lnk

TIME DD/HH:MM:SS		POSITION (LAT/LONG)	CSE/SPD (DEG/KTS)	BR/RNG FROM DLRP	MSG TYP	PU #	T Q	CAT TYP	DI #	MODE2 #	TRK #
17/08:02:43.8											T 217
17/08:02:43.8	ALT										T 217
17/08:02:43.8											T 217
17/08:02:43.8											T 217
17/08:02:43.8											217
17/08:02:43.8	1-										T 220
17/08:02:43.8	ALT										T 220
17/08:02:43.8	3-										T 221
17/08:02:43.8	ALT										T 221
17/08:02:43.8											T 221
17/08:02:43.9	ALT										T 222
17/08:02:43.9											T 223
17/08:02:43.9											
17/08:02:47.6											
17/08:02:47.6											
17/08:02:47.7		1-18.0S/	33.1E	157/	84.7	1		1			
17/08:02:47.7		1-18.0S/	33.1E	157/	84.7	1		1			
17/08:02:47.7			NO/NO			11D		1			T 210
17/08:02:47.7		M3: 0	NO/NO			11D		1		P3643	T 216

Print Options

Device or File > Lpt1:
Format > Formatted

Status: Page

[F10] - Print [F9] - Quit

Options: Lpt1: Com1: Filename

NATE PRINT TO FILE

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\NTDS ANALYSIS.lnk

TIME DD/HH:MM:SS	POSITION (LAT/LONG)	CSE/SPD (DEG/KTS)	BR/RNG FROM DLRP	MSG TYP	PU #	T Q	CAT TYP	DI #	MODE2 #	TRK #
17/08:02:43.8										T 217
17/08:02:43.8	ALT									T 217
17/08:02:43.8										T 217
17/08:02:43.8										T 217
17/08:02:43.8										217
17/08:02:43.8	1-									T 220
17/08:02:43.8	ALT									T 220
17/08:02:43.8	3-									T 221
17/08:02:43.8	ALT									T 221
17/08:02:43.8										T 221
17/08:02:43.9	ALT									T 222
17/08:02:43.9										T 223
17/08:02:43.9										
17/08:02:47.6										
17/08:02:47.6										
17/08:02:47.7	1-18.0S/	33.1E	157/	84.7	1		1			
17/08:02:47.7	1-18.0S/	33.1E	157/	84.7	1		1			
17/08:02:47.7			NO/NO		11D		1			T 210
17/08:02:47.7		M3: 0	NO/NO		11D		1		P3643	T 216

Print Options

Device or File > LK11.ASC
Format > UNFORMATTED

Status: Page

[F10] - Print [F9] - Quit

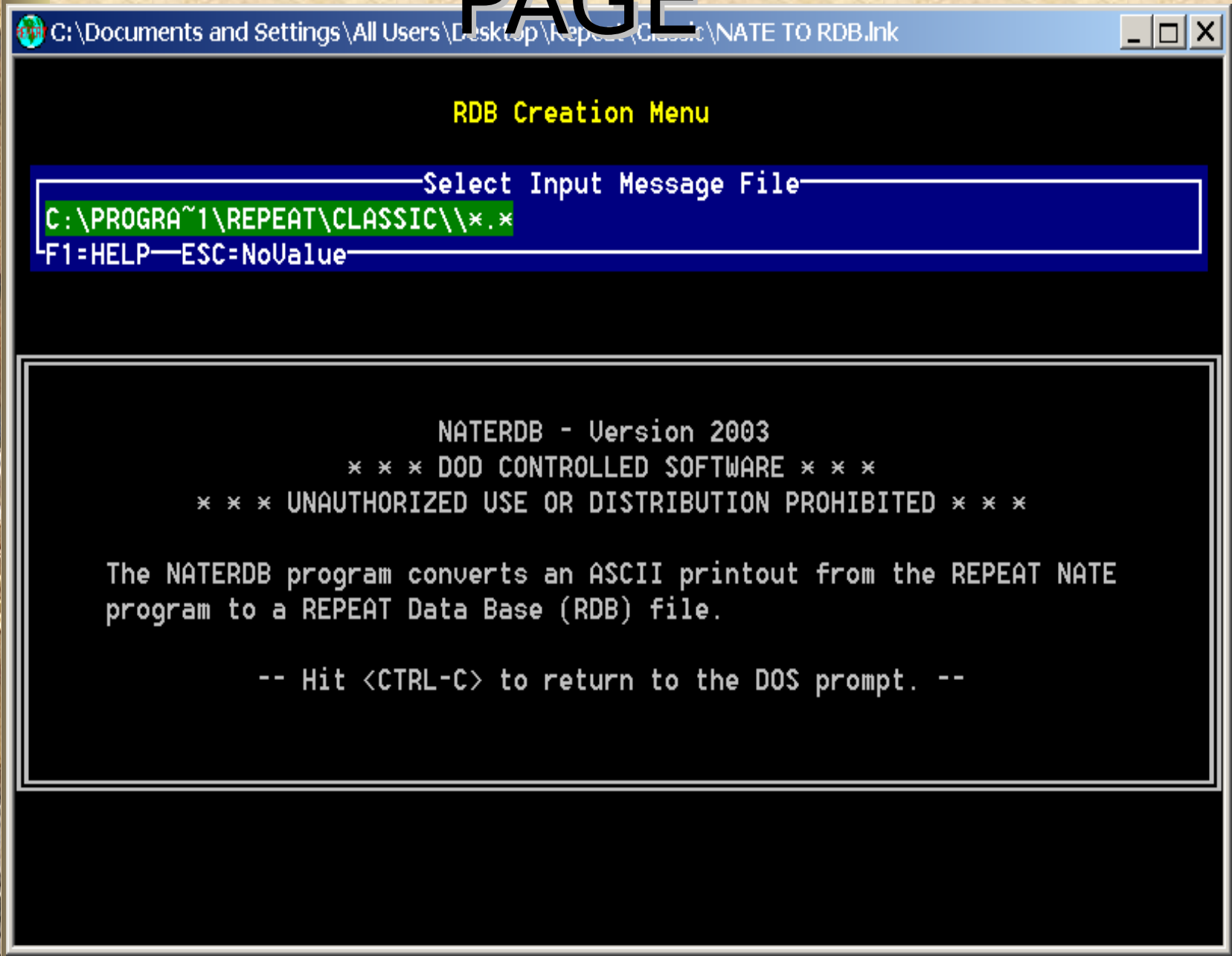
Options: Formatted Unformatted Nate

REPEAT PROGRAM

NATE TO RDB PROGRAM

- USE PRINT FILE OF NATE REDUCTION
  - VERY LARGE ASCII FILE FOR ONLY A FEW HOURS OF DATA WITH NO REDUCTION
- PLACES DATA IN GROUPED FILES
  - M1 AND M81 TOGETHER FOR AN EXAMPLE
- ASCII FILE CAN ALSO BE READ INTO AN EXCEL SPREADSHEET

NATERDB EXECUTION PAGE


C:\Documents and Settings\All Users\Desktop\Repeat\Classic\NATE TO RDB.lnk
RDB Creation Menu
Select Input Message File
C:\PROGRA~1\REPEAT\CLASSIC*.*
F1=HELP ESC=NoValue
NATERDB - Version 2003
* * * DOD CONTROLLED SOFTWARE * * *
* * * UNAUTHORIZED USE OR DISTRIBUTION PROHIBITED * * *
The NATERDB program converts an ASCII printout from the REPEAT NATE program to a REPEAT Data Base (RDB) file.
-- Hit <CTRL-C> to return to the DOS prompt. --

NATERDB YEAR DATE

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\NATE TO RDB.lnk

Window into C:\PROGRA~1\REPEAT\CLASSIC\\LK11.ASC

TIME	POSITION	CSE/SPD	BR/RNG	MSG	PU	T	CAT	DI	MODE2	TRK
DD/HH:MM:SS	(LAT/LONG)	(DEG/KTS)	FROM DLRP	TYP	#	Q	TYP	#	#	#
17/08:00:01.7	3-53.8S/ 29.3W		187/ 235.7	1	1					
17/08:00:01.7	3-53.8S/ 29.3W		187/ 235.7	1	1					
17/08:00:01.7		029/ 357.4		81	1		A			
17/08:00:01.8	3-53.8S/ 29.3W		187/ 235.7	1	1					
17/08:00:01.8	3-53.8S/ 29.3W		187/ 235.7	1	1					
17/08:00:05.0	3-53.8S/ 29.3W		187/ 235.7	1	1					
17/08:00:05.0	3-53.8S/ 29.3W		187/ 235.7	1	1					
17/08:00:05.0		029/ 357.4		81	1		A			
17/08:00:05.1	3-53.8S/ 29.3W		187/ 235.7	1	1					
17/08:00:05.1	3-53.8S/ 29.3W		187/ 235.7	1	1					
17/08:00:08.3	3-53.8S/ 29.3W		187/ 235.7	1	1					
17/08:00:08.3	3-53.8S/ 29.3W		187/ 235.7	1	1					
17/08:00:08.3		029/ 357.4		81	1		A			
17/08:00:08.4	3-53.8S/ 29.3W		187/ 235.7	1	1					
17/08:00:08.4	3-53.8S/ 29.3W		187/ 235.7	1	1					
17/08:00:11.6	3-53.8S/ 29.3W		187/ 235.7	1	1					
17/08:00:11.6	3-53.8S/ 29.3W		187/ 235.7	1	1					
17/08:00:11.6		029/ 357.4		81	1		A			
17/08:00:11.7	3-53.8S/ 29.3W		187/ 235.7	1	1					
17/08:00:11.7	3-53.8S/ 29.3W		187/ 235.7	1						
17/08:00:14.9	3-53.8S/ 29.3W		187/ 235.7	1						

Enter the default year
2003
F1=HELP—ESC=NoValue

NATE DATA IN VIEWRDB

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\VIEW RDB.lnk

Filter Reposition New Locate View Sort Message Zoom Print Write Edit

Transmission Information (Page 1 of 3)

EVCN:	216	CC:		TMSN:		M:	LINK11
TOR:	01/17/03 08:02:43	MSN:		O:	0	ORID:	
MDTG:		FTYP:		MDUP:	0	L:	2,82,11D,9A,11B
SRCE:	1	CTC:	Y	SID:			

Identification Information

TKID:	217	FL:	YY	PIFC:		CAT:	AIR
NAME:		HULL:		STRK:	217	TYP:	
CLS:		CS:		NOIC:		FC:	3

Position Information

TOE:	01/17/03 08:02:43	MAJ:		CSE:	0	RPTNR:	
LAT:	6-00-00.00N	MIN:		SPD:	305.5	RPTUP:	
LON:	49-00-00.00E	ANG:		ALT:	2500.00	MSGT:	
OLAT:		BRG:	82	DI:		QUAL:	6
OLON:		RNG:	49.6	RDF:			

Additional Information

SENS:		LOCTY:		HEXFL:		ORSID:	
QUAN:		SS:		DYFL:		TDMRK:	
ALRCD:							

LK11.RDB | 216 of 125262

NATE DATA IN VIEWRDB 2

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\VIEW RDB.lnk

Filter Reposition New Locate View Sort Message Zoom Print Write Edit

Transmission Information (Page 3 of 3)

EVCN:	216	CC:		TMSN:		M:	LINK11
TOR:	01/17/03 08:02:43	MSN:		O:	0	ORID:	
MDTG:		FTYP:		MDUP:	0	L:	2,82,11D,9A,11B
SRCE:	1	CTC:	Y	SID:			

Identification Information

TKID:	217	FL:	YY	PIFC:		CAT:	AIR
NAME:		HULL:		STRK:	217	TYP:	
CLS:		CS:		NOIC:		FC:	3

Position Information

TOE:	01/17/03 08:02:43	MAJ:		CSE:	0	RPTNR:	
LAT:	6-00-00.00N	MIN:		SPD:	305.5	RPTUP:	
LON:	49-00-00.00E	ANG:		ALT:	2500.00	MSGT:	
OLAT:		BRG:	82	DI:		QUAL:	6
OLON:		RNG:	49.6	RDF:			

Special Case or Exercise Unique Information

1:		7:		13:		19:	
2:		8:		14:		20:	
3:	NO/NO	9:		15:		21:	
4:	T 217	10:		16:		22:	
5:		11:		17:		23:	
6:		12:		18:		24:	

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NATE DATA IN TUBULAR VIEW

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\VIEW RDB.lnk

Filter Reposition New Locate View Sort Message Zoom Print Write Edit

EVCN	TKID	TOR	TOE	LAT	LON	MAJ	MIN	ANG	RF	ALT	CSE	SPD	O
216	217	17/0803	17/0803	60000N	490000E					250	0	305	0
217	220	17/0803	17/0803	14412S	260000W					295	84	306	0
218	222	17/0803	17/0803	32612S	11624W					245	296	310	0
219	223	17/0803	17/0803	490000S	30000E								0
220	163	17/0803	17/0803	70000N	00000E								0
221	163	17/0803	17/0803	70000N	00000E								0
222	1	17/0803	17/0803	11800S	330000E								0
	221	17/0803	17/0803	11800S	330000E								0
224	1	17/0803	17/0803	11754S	230000E								0
225	1	17/0803	17/0803	11754S	230000E						270	361	0
226	1	17/0803	17/0803	11800S	330000E								0
227	1	17/0803	17/0803	11800S	330000E								0
228	204	17/0803	17/0803	350000N	11942W					100	327	562	0
229	206	17/0803	17/0803	00000N	24254E								0
230	210	17/0803	17/0803	150000N	30706W								0
231	211	17/0803	17/0803	60000S	15412W								0
232	213	17/0803	17/0803	30030S	23442E								0
233	215	17/0803	17/0803	21442S	130000W								0
234	216	17/0803	17/0803	15930S	23618W								0
235	217	17/0803	17/0803	60000N	520000E								0
236	220	17/0803	17/0803	14242S	260000W								0

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